

Project Name: Regional
Project Code: REG **Site ID:** T497 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.G. Murtha	Locality:	
Date Desc.:	01/10/90	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:		Runoff:	Very rapid
Easting/Lat.:		Drainage:	Rapidly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, 0.7 m deep, No Data

Land Form

Rel/Slope Class:	Rolling hills 90-300m 10-32%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	25 %	Aspect:	345 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Dystrophic Brown Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	No suitable group
Analytical data are incomplete but reasonable confidence.			

Site Disturbance:

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy clay loam; Moderate grade of structure, 5-10 mm, Granular; Abundant, medium (2-5mm) roots;
A3	0.13 - 0.45 m	Greyish brown (10YR5/2-Moist); ; Fine sandy clay loam; Massive grade of structure; 10-20%, coarse gravelly, 20-60mm, subrounded tabular, dispersed, Schist, coarse fragments; Many, medium (2-5mm) roots;
B1	0.45 - 0.6 m	Brown (7.5YR4/4-Moist); , 10YR52, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Sandy clay loam; Massive grade of structure; 10-20%, coarse gravelly, 20-60mm, subrounded tabular, dispersed, Schist, coarse fragments;
C	0.6 - 0.7 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Massive grade of structure;

Morphological Notes

Observation Notes

EXPOSURE ON ROAD CUTTING; THE B HORIZON IS AT ABOUT SAME DEPTH SLC TEXTURE; MASSIVE WITH ROCK FABRIC:

Site Notes

DANBULLA

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0 - 0.13	5.06A	0.05A	1.99H	1.58	0.32	0.03	0.48F	3.2J	4.4E	0.94
0.13 - 0.45	4.59A	0.02A	0.34H	0.67	0.19	0.03	1.61F	2.5J	2.8E	1.20
0.45 - 0.6	5.07A	0.01A	0.15H	0.71	0.21	0.04	2.84F	3.8J	4E	1.05
0.6 - 0.7	5.15A	0.01A	0.05H	0.93	0.2	0.04	2.55F	3.8J	3.8E	1.05

Depth	CaCO ₃	Organic C	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m ³	Particle GV	CS	Size FS %	Analysis Silt Clay
m	%	%									
0 - 0.13		2.9C									
0.13 - 0.45		0.9C									
0.45 - 0.6		3.9C									
0.6 - 0.7		2.2C									

[illegible]

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Laboratory Analyses Completed for this profile

13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15_NR	Sum of Ex. cations + Ex. acidity - Not recorded
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15G_C	Exchange acidity (hydrogen and aluminium) - meq per 100g of soil - By 1M KCl exch. acidity by titration to pH 8.4
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
6B3	Total organic carbon - high frequency induction furnace, infrared